

DPD1T-.../DPD2T-... DPD1T-.../DPD2T-...

Metal-Diaphragm

Differential Pressure Switches

▶ Pressure



- ▶ Proved technology in new design
- ▶ Very precise and complete sealed switching system
- ▶ Adjustment range from 0.002... 10.3 bar

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Barksdale
CONTROL PRODUCTS

CRANE

Barksdale, Inc./Barksdale GmbH
A Subsidiary of Crane Co.

Mechanical single/dual pressure switch
Repeatability ±1.0% at constant temperature

Features

Metal diaphragm pressure switches
 Switching point can be adjusted with corresponding reference unit during operation

Measuring ranges

0.025 ... 10 bar

Applications

machine and tool engineering,
 autoclaves,
 pump control,
 refrigerant monitoring
 ship building applications



Index: B

Technical Data

medium-contacting parts:	Stainless steel 17-7PH Aluminium, nickel-plated O-rings: FKM
Repeatability:	±1 % at constant temperature
Switching rate:	max. 20/min
Temperature range:	-40 °C... +75 °C
System of protection	IP65
Housing:	Aluminium, anodized
Process connection:	1/8" NPT female thread
Electrical connection:	internal terminal strip (0.5-2.5 mm ²) Standard: WAGO terminal and cable gland M20 x 1.5; clamping range ø5 ... 11 mm

Electrical ratings and hysteresis:	A large variety of microswitches offers different electrical ratings and hysteresis for many applications.
Weight:	DPD1T-...: approx. 1.6 kg DPD2T-...: approx. 1.7 kg
Set point adjustment:	Turn the adjustment screw clockwise to decrease the set point.
Intrinsically safe:	The switches are designed for intrinsically safe applications. Please add "Exi" to your ordering details when placing an order. To comply with the intrinsically safe approval following max. ratings must not be exceeded: U _{max} = 28 V I _{max} = 50 mA
Approval:	---

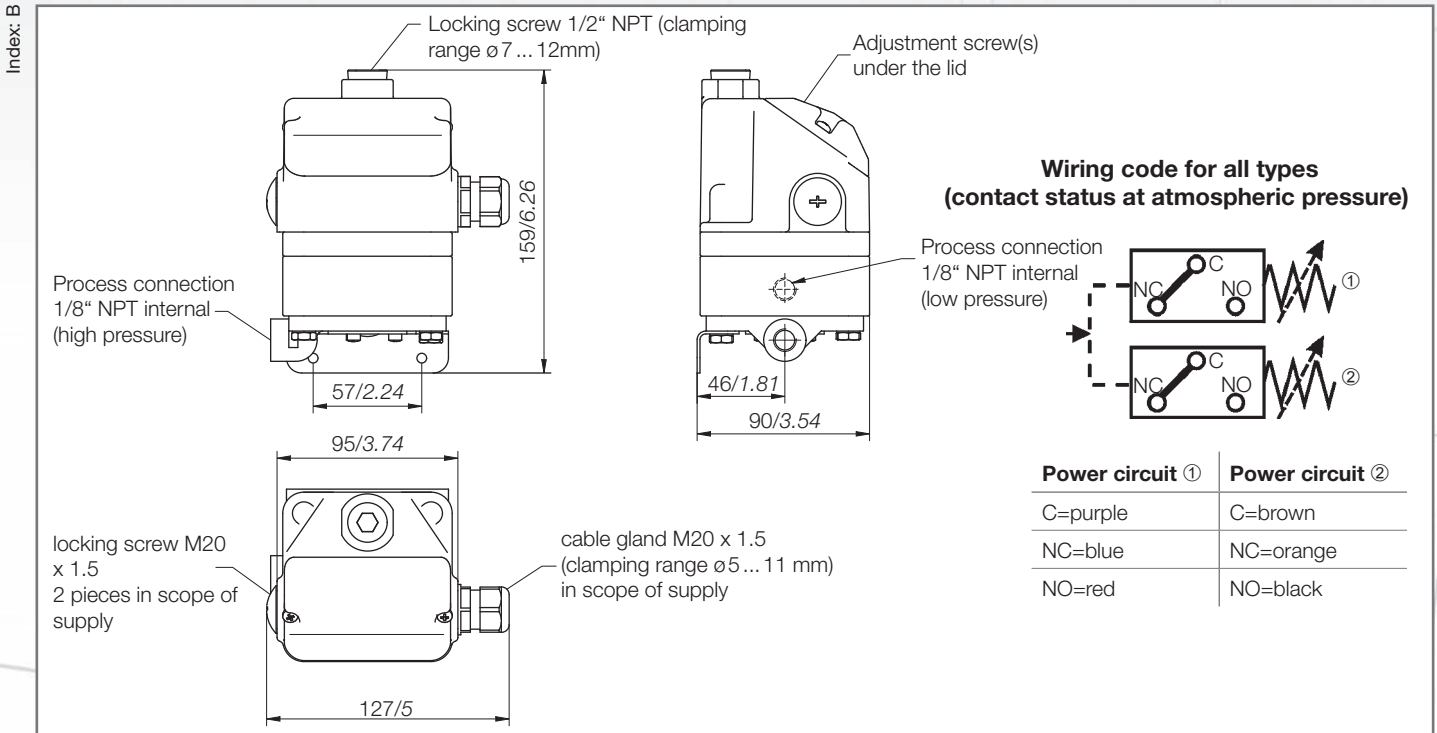
Adjustable ranges

* Static operating pressures up to 28 bar possible. Differential pressure of the adjustable range must not be exceeded. Values shown in red (max. pressure rising) = **max. operating pressure**

Pressure range code	Adjustable range [bar] * Diff. Pressure		Proof pressure [bar] (short term)	Max. hysteresis of switch types in bar (end of range)	
	Increasing press.	Decreasing press.		H, GH [bar]	M, GM [bar]
Overpressure					
3SS	0.025 ... 0.2	0.02 ... 0.20	0.7	0.004	0.01
18SS	0.040 ... 1.2	0.03 ... 1.19	4.0	0.010	0.04
80SS	0.130 ... 5.3	0.03 ... 5.20	10.7	0.100	0.22
150SS	0.280 ... 10.0	0.10 ... 9.80	20.0	0.180	0.40

Specifications are subject to changes without notice.

Dimensions (in mm / inch)



Electrical ratings

Micro-switch	special features	Volt AC 50/60 Hz	Ind. load A	Res. load A	Volt DC	Ind. load A	Res. load A	Comments
H	Microswitch with silver contacts	125 250	10 10	10 10	6 to 28	0.50	0.5	low change-back values; high AC-/ low DC-load
M	Microswitch with silver contacts	125 250	10 10	10 10	12 24 250	5.00 1.00 0.25	15.0 2.0 0.4	intermediate change-back values; high AC- and DC-loads
GH	Microswitch with gold contacts for low voltage and low current	125	1	1	24	1.00	1.0	low change-back values
gm		30	0.1	0.1	30	0.10	0.1	intermediate change-back values

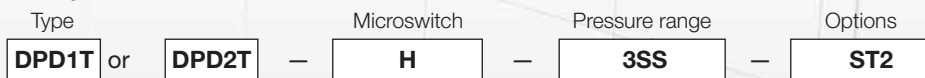
480 V AC and 15 A only upon request

Options

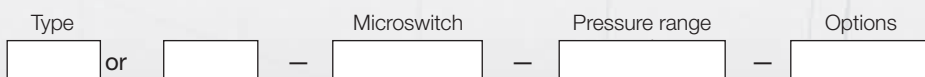
	DPD1T-...		DPD2T-...
ST1	Plug, 3-pin + E, DIN EN 175 301-801-A (prev. DIN 43650)	ST3	Plug, 6-pin + E, DIN EN 43651
ST2	Amphenol plug 4-pin + E	EXI	for intrinsically safe application
EXI	for intrinsically safe application		

Ordering

Example for order number



Your order number



Experts

Specialists for monitoring and control of:

- ▶ Pressure
- ▶ Temperature
- ▶ Level
- ▶ Flow

Almost sixty years of experience in the area of mechanical and electronic control of liquid media and responding to customers needs have resulted in an extensive range of products to meet a wide range of applications. Barksdale's priority is clear. It is our commitment to quality instrumentation and exceptional customer service that has remained the cornerstone of our success. Based on our innovative and market-focused technologies in the areas of pressure, level, flow and temperature measuring processes we provide solutions that fit.



Global Presence

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